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CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders

OCTOBER 1981

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(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in October declined \$8.8 billion or 5.2 percent from September to \$159.6 billion, the Department of Commerce, Bureau of the Census, reported today. This is the third consecutive monthly decline in new orders, following decreases in August of 1.5 percent and in September of 1.0 percent.

New orders in the durable goods industries were down \$7.9 billion or 9.1 percent to \$78.4 billion. This is a larger decline than the 8.0 percent decrease reported earlier, and the sharpest one-month drop since the 9.4 percent decline recorded in December 1974. Orders for defense capital goods, which tend to be volatile, declined \$2.7 billion or 42 percent to \$3.8 billion. Excluding the decline in the defense category, total durable goods new orders were down 6.4 percent in October.

In the nondefense capital goods category new orders declined \$1.7 billion or 7.4 percent to \$21.3 billion, following a September decrease of 6.8 percent. Nearly all of the October decline was attributed to the nonelectrical machinery industries.

The declines in new orders were widespread across the individual durable goods industries. The largest decline was in the transportation equipment industry, where orders decreased \$2.6 billion or 13.7 percent to \$16.1 billion. The aircraft and parts industries were down \$1.8 billion, and the motor vehicles and parts industries were off \$0.9 billion. New orders for machinery, electrical and nonelectrical, were down \$2.1 billion and \$1.5 billion respectively. About one-half of the \$2.1 billion drop in the electrical category was caused by the decline in defense communication equipment orders. Continuing the declines in August and September, new orders for primary metals in October decreased 10.1 percent to \$10.3 billion.

Shipments of manufactured goods declined for the fourth consecutive month, with October registering a decline of \$4.1 billion or 2.4 percent to \$164.5 billion. This decline was somewhat larger than those in the preceding months. Within the durable goods sector, the motor vehicles and parts industries led the shipments declines, falling \$1.2 billion or 10.3 percent to \$10.7 billion. Since June of this year declines in shipments have averaged nearly 5 percent per month.

Shipments by the nondurable goods industries in October declined \$0.9 billion or 1.1 percent to \$81.5 billion. The

declines were widespread. The only increase in shipments was reported by petroleum refiners where an increase of \$0.3 billion or 2.0 percent to \$16.4 billion was recorded.

For the second month the value of manufacturers' shipments exceeded the value of incoming orders. The orders backlog of manufacturers in October fell \$4.9 billion or 1.5 percent to \$323.8 billion. This is the largest monthly decline since the 1.8 percent drop recorded in March 1975. Within the major industry groups the primary metals categories decreased \$0.8 billion or 2.8 percent to \$27.7 billion; the machinery industries declined \$1.9 billion or 1.5 percent to \$125.1 billion, and the transportation equipment industries dropped \$1.3 billion or 1.1 percent to \$116.7 billion.

The book value of manufacturers' inventories rose to \$278.4 billion, up \$1.7 billion or 0.6 percent from September. As shipments declined in the last several months, the inventory to shipments ratio had increased monthly from 1.57 in June to 1.69 in October. Virtually, all of the inventory increase was attributable to the durable goods industries which were up \$1.5 billion or 0.8 percent to \$186.7 billion. The value of inventories of nondurable goods manufacturers' changed little overall. Sizable increases in the chemicals and apparel industries were offset by declines in petroleum and food products inventories.

The October estimates of inventories by stage of fabrication showed finished goods increasing by 1.3 percent over September, work-in-process up 0.7 percent and no change in the value of raw materials.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for November is scheduled for release on December 22, 1981, and the full report is scheduled for release on December 31, 1981.

A description of the survey methodology and related information may be found in the summary report in this series for 1980 M31.10 Manufactures Shipments, Inventories and Orders: 1972-1980, issued July 1981.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

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Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted						Not seasonally adjusted						Year-to-date				
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months a year ago			Year-to-date	
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	III 1981 ^r	II 1981	I 1981	Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980	1981	1980
TOTALS																		
All manufacturing industries.....	164,469	168,581	169,518	170,324	508,423	506,512	495,900	170,733	174,010	166,520	156,408	167,307	163,812	147,823	137,631	1,681,214	1,526,846	
Manufacturing industries excluding transportation.....	147,071	149,625	150,087	151,357	451,069	447,982	443,169	151,687	155,724	149,973	140,035	147,664	146,076	135,371	124,489	1,495,337	1,370,367	
Manufacturing industries with unfilled orders.....	86,641	89,183	89,689	89,970	268,852	266,373	260,886	90,153	92,943	87,874	81,378	87,466	86,200	76,159	70,695	885,538	799,716	
Durable goods industries.....	82,958	86,119	86,841	87,319	260,399	261,761	252,602	87,148	88,536	83,181	78,497	88,823	83,633	71,609	67,470	860,974	733,593	
Durable goods with unfilled orders.....	69,976	71,916	72,702	72,667	217,285	215,863	211,253	72,681	74,853	70,539	65,432	71,023	69,614	60,803	56,573	716,624	646,507	
Nondurable goods industries.....	81,511	82,402	82,677	83,005	248,084	244,751	243,298	83,585	85,474	83,339	77,911	80,484	80,139	76,214	70,161	820,240	753,253	
Nondurable goods with unfilled orders.....	16,665	17,267	16,997	17,303	51,567	50,510	49,633	17,472	18,090	17,335	15,946	16,443	16,586	15,356	14,122	168,913	153,209	
MARKET CATEGORIES																		
Home goods and apparel.....	11,992	12,217	12,400	12,792	37,409	37,089	36,096	13,496	13,658	13,406	11,555	12,278	12,706	11,821	10,088	123,394	112,933	
Consumer staples.....	28,669	29,267	28,919	29,219	87,405	86,554	86,007	29,729	30,842	28,878	27,414	29,413	30,216	28,327	25,899	288,161	271,775	
Equipment and defense products, except automotive.....	25,471	26,185	26,044	25,208	77,437	76,364	74,189	25,796	27,076	24,798	23,026	24,150	24,996	21,415	20,971	253,289	228,688	
Automotive equipment.....	12,506	13,688	14,227	14,381	42,296	43,191	37,980	14,249	12,852	11,848	12,095	14,800	12,661	8,514	8,783	136,449	110,338	
Construction materials, supplies, and intermediate products.....	11,943	12,310	12,289	12,754	37,353	38,564	39,202	12,683	13,100	13,062	12,516	13,440	12,878	12,213	11,348	128,098	119,048	
Other materials, supplies, and intermediate products.....	73,888	74,914	75,970	75,639	226,523	224,749	222,426	74,780	76,482	74,528	69,802	72,226	70,355	65,533	60,542	751,816	684,044	
SUPPLEMENTARY SERIES ²																		
Household durable goods industries.....	5,360	5,274	5,312	5,146	16,241	15,738	15,768	6,055	5,570	5,715	5,749	5,574	4,948	4,948	4,081	53,421	48,682	
Capital goods industries.....	28,822	28,992	28,160	28,974	84,469	81,803	81,503	28,533	29,853	28,887	25,580	27,550	23,549	23,201	279,710	250,029		
Nondurable.....	23,737	24,573	23,931	23,931	73,112	72,453	70,217	24,030	25,417	23,246	21,671	23,189	23,015	20,315	20,008	238,968	220,447	
Defense.....	4,416	4,214	4,419	4,229	12,862	12,862	12,017	11,586	14,473	4,436	4,213	3,909	3,638	3,841	3,234	3,193	3,582	
INDUSTRY GROUPS AND INDUSTRIES																		
Durable goods industries:																		
Stone, clay, and glass products.....	3,911	4,024	4,006	4,250	12,278	12,680	12,597	4,235	4,335	4,288	4,151	4,259	4,221	3,907	3,636	41,898	37,877	
Glass containers.....	4,99	4,488	4,493	5,46	1,527	1,567	1,386	509	518	515	425	471	437	410	5,03	4,104		
Primary metals.....	11,080	11,981	11,971	11,591	35,325	35,521	35,208	11,724	11,556	10,896	11,446	11,088	9,953	9,137	118,783	111,881		
Blast furnaces, steel mills.....	5,706	6,111	6,228	18,268	18,482	17,804	5,694	5,965	5,921	5,736	5,430	5,055	4,390	3,390	5,286	60,996	51,286	
Nonferrous and other primary metals.....	4,388	4,631	4,720	4,667	14,018	13,454	14,197	4,463	4,695	4,532	4,144	4,825	4,984	4,621	4,124	46,493	49,631	
Fabricated metal products.....	9,987	10,286	10,432	10,547	31,265	31,644	31,279	10,494	10,671	10,535	9,701	10,829	10,286	9,414	8,450	104,967	96,627	
Metal cans, barrels, and drums.....	795	819	844	864	2,441	2,488	2,617	767	907	925	822	967	908	862	8,622	8,768		
Machinery, except electrical.....	16,996	17,353	17,246	17,070	51,669	50,914	50,128	17,207	17,814	16,244	15,465	16,243	16,316	13,673	13,860	150,944		
Engines and turbines.....	1,383	1,429	1,428	1,401	4,547	4,404	4,101	3,864	3,336	1,191	1,258	1,181	1,137	1,017	1,002	11,718	11,493	
Farm machinery and equipment.....	1,192	1,380	1,173	1,204	3,817	3,800	3,614	1,277	1,386	1,085	1,041	1,308	1,167	1,044	945	12,870	11,688	
Construction, mining, and material-handling equipment.....	3,388	3,473	3,473	3,318	10,166	9,856	9,619	3,425	3,459	3,361	3,196	2,973	2,773	2,703	2,703	33,424	29,641	
Metallurgical machinery.....	1,012	1,037	1,0422	1,470	1,997	2,959	2,910	1,011	1,077	899	892	981	981	1,412	1,412	9,847	9,169	
General industrial machinery.....	1,489	1,422	1,429	1,470	4,383	4,282	4,071	1,452	1,452	1,452	1,452	1,452	1,452	1,452	1,452	14,304	13,317	

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹					
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months a year ago			Year-to-date		
		Oct. 1981 ^p	Sept. 1981 ^r	Auk. 1981	July 1981	11th 1981 ^r	1981	I 1981	1981	Sept. 1981 ^r	1981 ^p	Oct. 1980	July 1981	Aug. 1981	July 1980	Sept. 1980	Oct. 1980	July 1981	1981
36	INDUSTRY GROUPS AND INDUSTRIES--Continued																		
361,2	Durable goods and industries--Continued																		
361	Electrical machinery, equipment and distribution equipment and industrial apparatus.....	11,332	11,667	11,682	11,713	35,062	34,649	33,101	11,906	12,339	11,402	10,351	11,459	11,169	10,263	9,150	114,055	104,111	
363	Household appliances.....	1,872	1,941	2,045	1,915	5,738	5,404	1,901	1,988	1,968	1,680	1,878	1,871	1,710	1,556	1,9045	18,170		
365	Radio and TV.....	1,014	1,113	1,075	1,103	3,291	3,459	3,398	1,075	1,191	1,111	1,082	1,187	1,141	1,060	941	11,303	10,398	
366	Communication equipment.....	875	965	925	2,765	2,859	2,708	8,925	7,208	7,933	940	747	8,939	8,178	8,939	7,99	7,493	31,467	27,846
367	Electronic components.....	3,184	3,345	3,277	3,364	9,825	9,507	8,338	3,284	3,140	2,947	2,895	2,944	2,721	2,225	2,016	2,016	23,264	22,398
37	Transportation equipment.....	2,213	2,385	2,290	2,349	7,124	6,930	6,906	2,317	2,514	2,419	2,318	16,373	19,643	17,736	12,452	13,442	185,877	156,479
371	Motor vehicles and parts.....	17,398	18,936	19,431	18,967	57,354	58,531	52,732	19,046	18,286	16,547	16,373	12,361	10,798	10,228	7,243	7,243	117,857	93,455
372,6	Aircraft, missiles, and parts.....	4,552	4,938	4,827	4,453	14,218	14,459	13,626	4,480	5,177	4,462	4,167	4,617	4,843	3,679	3,902	4,672	41,578	
373	Shipbuilding and military tank vehicles.....	1,184	1,151	1,261	1,204	3,616	3,520	3,405	1,262	1,172	1,298	1,132	1,016	1,084	1,034	1,024	11,549	10,459	
379	Instruments and related products.....	4,293	4,299	4,205	4,308	12,812	12,495	12,305	4,448	4,587	4,198	3,894	4,124	4,166	3,872	3,379	41,798	37,831	
38	Scientific and engineering photographic goods.....	2,606	2,553	2,112	2,463	7,208	7,145	7,208	2,640	2,446	2,194	2,314	2,378	2,172	1,908	24,485	21,879		
381-4	Scientific and engineering photographic goods.....	1,486	1,416	1,540	1,442	4,367	4,285	4,285	1,496	1,603	1,460	1,437	1,522	1,497	1,243	1,243	14,368	13,319	
386	All other durable goods industries.....	7,961	7,985	7,860	8,493	24,338	25,524	24,938	8,604	8,780	8,411	7,756	8,820	8,691	7,888	8,903	83,498	77,843	
25	Nondurable goods industries:																		
20	Food and kindred products.....	22,115	22,421	22,453	22,638	67,512	67,307	66,528	22,804	23,316	22,394	22,677	21,057	21,057	22,021	19,822	222,909	209,788	
201	Meat products.....	5,856	5,799	5,667	5,955	3,166	3,166	3,124	5,876	5,785	5,817	5,367	5,513	5,186	5,161	4,591	48,090		
208	Beverages.....	2,969	2,927	2,765	8,948	8,948	8,948	8,229	3,129	2,980	3,144	2,198	2,131	2,131	3,035	3,215	29,939	28,540	
209	Fats and oils.....	1,746	1,757	1,764	1,854	5,375	5,189	5,189	1,762	1,772	1,634	1,672	1,571	1,495	1,495	1,750	8,702	89,669	88,948
203-6,9	All other foods.....	8,096	8,795	8,096	8,795	26,509	27,271	27,887	8,928	9,608	8,575	9,538	10,242	9,089	1,028	1,073	1,1206	10,217	
21	Tobacco products.....	1,099	1,186	1,195	1,195	3,592	3,283	3,287	1,164	1,190	1,218	1,186	1,167	1,028	1,028	1,028	1,028	1,028	
22	Textile mill products.....	4,427	4,427	4,414	4,496	13,337	12,481	12,481	4,300	4,713	4,713	4,755	4,096	4,096	3,735	3,735	38,575		
26	Paper and allied products.....	6,473	6,531	6,446	6,493	19,476	19,354	19,739	6,368	6,690	6,638	6,106	6,269	6,347	6,195	5,360	65,392	59,825	
261-3	Pulp, paper, etc.....	2,843	3,042	2,820	2,812	8,674	8,480	8,479	2,988	2,898	2,869	2,869	2,752	2,662	2,662	2,662	2,662	28,597	
265	Paperboard containers.....	1,586	1,671	1,671	1,717	4,970	4,970	4,848	1,675	1,728	1,684	1,684	1,614	1,562	1,562	1,341	16,587	14,978	
264	All other paper products.....	2,046	1,826	2,015	1,964	5,803	5,904	6,052	1,995	1,976	2,105	1,861	1,903	2,061	1,901	1,728	20,083	18,250	
281,6	Chemicals and allied products-- Industrial chemicals, except pigments.....	15,296	15,489	15,458	16,406	44,875	44,941	44,941	16,078	15,055	14,180	14,131	14,697	13,185	12,196	13,185	13,185	138,872	
283,4	Drugs, soap, and toiletries.....	5,293	5,384	5,374	5,471	16,135	16,058	5,049	5,303	5,197	5,066	5,124	4,930	4,984	4,984	4,279	54,311	49,804	
29	Petroleum and coal products.....	3,817	3,934	3,781	3,667	11,382	10,998	11,644	3,947	3,594	3,690	3,351	4,046	4,663	3,799	3,479	38,151	37,334	
30	Rubber and plastics products, n.e.c.....	16,366	16,049	16,405	15,859	48,313	48,730	49,783	16,134	16,086	16,438	15,772	14,977	14,493	14,493	14,167	162,964	145,066	
23	All other nondurable goods industries.....	4,010	3,971	3,956	4,129	12,056	11,886	11,419	4,218	4,087	4,020	3,732	4,344	4,160	4,106	3,573	39,852	40,504	
31		12,111	12,297	12,359	12,736	37,392	36,304	35,480	13,367	13,314	13,086	12,123	12,713	12,337	11,586	10,607	121,631	110,405	

^pPreliminary.^rRevised.¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances: radio and TV; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the WA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES (Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹				
		Monthly				Quarterly				Last 4 months				Monthly		Last 4 months a year ago		
		Oct., 1981 ^p	Sept., 1981 ^r	Aug., 1981	July, 1981	1981 ^r	1981	1981 ^p	1981	Sept., 1981 ^r	Sept., 1981 ^r	Oct., 1980	July, 1981	Oct., 1980	Sept., 1980	Aug., 1980	July, 1980	
TOTALS																		
All manufacturing industries.....	159,612	168,464	170,063	172,611	511,118	508,837	499,772	499,772	168,796	172,733	164,781	156,831	170,629	165,215	147,422	140,637	1,682,473	
Manufacturing industries excluding transportation.....	143,539	149,517	149,688	151,702	451,207	450,989	443,887	443,887	148,271	153,449	148,821	139,862	149,432	144,855	135,497	124,899	1,496,546	
Manufacturing industries with unfilled orders.....	81,784	89,066	90,244	92,257	271,547	268,697	264,758	264,758	91,666	86,135	81,801	90,788	87,603	75,758	73,701	88,792	811,013	
Durable goods industries with unfilled orders.....	78,408	86,778	87,350	89,696	263,374	263,647	256,383	256,383	87,507	87,035	81,487	81,487	90,114	84,947	71,133	70,674	865,166	
Durable goods industries with unfilled orders.....	65,426	72,015	73,211	75,044	220,270	217,748	215,034	215,034	71,086	73,824	68,845	65,970	74,314	70,888	60,327	59,777	720,816	
Nondurable goods industries with unfilled orders.....	81,204	82,166	82,713	82,915	247,794	245,190	243,389	243,389	83,243	85,226	83,294	77,796	80,515	80,268	76,289	69,963	822,302	
Industries without unfilled orders.....	16,358	17,031	17,213	17,277	50,949	49,724	49,724	49,724	17,130	17,290	17,831	16,474	16,715	15,431	13,224	168,974	153,001	
Industries without unfilled orders.....	64,846	65,135	65,680	65,702	196,517	194,241	193,665	193,665	66,113	67,384	66,004	61,965	64,041	63,553	60,858	56,039	651,325	
MARKET CATEGORIES																		
Home goods and apparel.....	11,659	12,221	12,353	12,828	37,402	37,187	36,749	36,749	12,870	13,463	12,463	11,782	13,041	12,550	11,927	10,089	124,061	
Consumer staples.....	28,657	29,282	29,253	29,945	87,480	86,647	86,030	86,030	29,696	30,893	28,915	27,502	29,389	30,239	28,343	25,932	288,374	
Equipment and defense products, except automotive.....	23,451	25,302	27,503	26,944	79,749	75,996	78,323	78,323	26,712	27,030	24,026	23,421	26,360	27,411	20,789	22,390	240,413	
Automotive equipment.....	12,564	13,408	14,284	14,474	42,166	43,163	43,163	43,163	38,292	38,292	38,292	38,292	12,626	11,925	12,247	14,988	8,371	136,633
Construction materials, supplies, and intermediate products.....	11,586	12,273	11,944	12,900	37,117	38,764	39,024	39,024	12,315	12,817	12,659	12,615	13,573	12,555	12,012	11,180	127,699	
Other material supplies and intermediate products.....	71,695	75,958	76,212	76,212	227,204	227,079	221,355	221,355	72,916	75,906	73,793	73,793	69,264	73,278	69,635	65,980	62,189	750,850
SUPPLEMENTARY SERIES																		
Household durable goods industries.....	4,844	5,388	5,252	5,510	16,150	16,347	16,412	16,412	5,143	5,884	5,661	4,910	5,508	5,416	5,064	4,068	54,097	
Capital goods industries.....	25,128	30,459	29,580	29,708	89,747	86,133	86,096	86,096	29,921	31,002	26,883	25,741	29,335	23,209	26,899	28,726	270,559	
Nondefense.....	21,319	23,026	24,700	24,226	71,932	71,818	70,468	70,468	23,282	23,705	22,640	21,673	23,492	23,176	19,534	21,264	236,670	
Defense.....	3,809	6,554	5,759	5,482	17,759	14,315	15,629	15,629	6,039	7,297	4,243	4,068	5,832	6,259	3,675	5,655	50,051	
INDUSTRY GROUPS AND INDUSTRIES																		
Durable goods industries.....	32	3,953	3,967	4,246	12,110	12,686	12,425	12,425	4,230	4,157	4,196	4,165	4,252	4,126	3,809	3,629	41,693	
Stone, clay, and glass.....	33	10,269	11,422	11,602	12,466	35,490	34,964	34,964	34,228	10,263	10,558	10,830	12,471	11,371	10,521	8,883	11,353	
Blunt furnaces, steel mills.....	331	5,140	6,082	6,436	18,540	18,453	17,291	17,291	5,002	5,266	5,482	5,353	6,373	5,354	5,124	3,888	59,357	
Nonferrous and other primary metal products.....	333-5,9	3,996	4,466	4,842	13,656	13,322	13,746	13,746	4,093	4,248	4,182	4,948	4,071	5,182	4,513	4,321	45,113	
Fabricated metal products.....	34	9,309	10,054	9,901	10,804	30,759	31,877	31,223	9,734	10,371	10,033	10,054	10,867	9,710	9,099	8,491	10,099	
Machinery, except electrical.....	35	16,014	17,498	17,638	16,376	51,532	51,889	50,334	16,625	17,264	15,001	16,211	16,059	13,152	14,606	17,660	169,374	
Engines and turbines.....	351	1,420	1,538	1,544	1,261	4,363	4,335	4,200	1,633	1,650	1,556	1,630	1,724	1,404	1,320	1,270	898	
Construction, mining, and material-handling equipment.....	353	3,090	3,238	3,553	3,629	10,520	11,085	10,615	3,266	3,310	3,517	3,111	3,108	2,592	2,665	35,633	29,572	
Metalworking machinery.....	354	779	786	752	2,267	2,333	2,701	777	747	620	666	609	635	735	8,116	9,322	14,896	
General industrial machinery.....	356	1,543	1,317	1,638	1,569	4,504	4,526	4,198	4,198	1,599	1,599	1,447	1,447	1,447	1,279	1,160	1,125	

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--continued
(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹											
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months a year ago			Year-to-date								
		Oct. 1981p	Sept. 1981r	Aug. 1981	July 1981	111 1981r	1981	11 1981	1981	1 1981r	Oct. 1981p	Sept. 1981r	July 1981	Aug. 1981	Oct. 1980	Sep. 1980	July 1980	Aug. 1980	Oct. 1980	Sep. 1980	July 1980	1981	1980		
INDUSTRY GROUPS AND INDUSTRIES--Continued																									
36	Durable Goods Industries--Continued	10,400	12,487	11,920	12,055	36,462	36,281	34,371	11,294	12,818	11,699	10,517	12,135	10,815	10,829	9,054	118,164	108,745							
361,2	Electrical machinery, transmission and distribution equipment and industrial apparatus.....	1,490	1,901	2,038	1,998	5,937	5,770	5,798	1,543	1,911	1,993	1,702	1,975	1,717	1,689	1,553	19,251	18,663							
363	Household appliances.....	947	1,114	1,064	1,086	3,249	3,477	3,402	939	1,163	1,073	1,077	1,125	1,197	1,110	948	11,256	10,693							
365	Radio and TV.....	599	1,173	956	954	3,083	2,754	2,845	705	1,293	1,111	798	947	913	604	9,161	7,293								
366	Communication equipment.....	3,024	4,045	3,451	3,609	11,105	10,704	9,811	3,638	3,995	3,210	3,045	3,796	2,918	3,340	2,665	34,763	31,608							
367	Electronic components.....	2,276	2,194	2,418	2,347	6,959	7,405	6,620	2,151	2,328	2,088	2,207	2,106	2,026	1,774	2,026	23,555	22,595							
37	Transportation equipment.....	16,073	18,627	20,375	20,909	59,911	57,848	55,886	20,525	19,284	16,960	16,949	21,197	20,360	11,925	15,738	167,602	167,602							
372,6	Aircraft, missiles, and parts.....	3,788	5,617	5,116	6,116	16,839	13,663	16,553	6,215	6,510	3,571	4,776	5,891	3,259	6,514	4,987	54,449								
373	Shipbuilding and military tank vehicles.....	596	1,954	1,477	1,477	3,966	3,996	3,796	1,031	1,229	1,519	968	1,370	2,656	1,284	1,030	12,428	12,888							
375	Instruments and related products.....	4,338	4,245	4,152	4,425	12,822	12,540	12,330	4,470	4,486	4,164	4,010	4,067	4,120	3,874	3,311	41,971	38,104							
38	All other durable goods industries.....	8,052	8,048	7,775	8,415	24,238	25,563	25,586	8,412	8,569	8,391	7,868	8,673	8,386	7,924	6,962	84,288	77,688							
39																									

pPreliminary.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows: ³Household durable goods industries--household furniture, kitchen articles and pottery, cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipyards and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance; Communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(millions of dollars)

SIC

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SIC	Industry	Seasonally adjusted												Not seasonally adjusted					
		Monthly				Quarterly				Last 4 months				Monthly			Last 4 months a year ago		
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	II 1981	III 1981	IV 1980	II 1980	III 1980	IV 1980	Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980
TOTALS																			
All manufacturing industries.....	323,753	328,613	328,757	328,206	323,602	319,729	315,027	306,494	321,916	323,853	325,133	326,866	314,186	310,864	309,461	309,862			
Manufacturing industries excluding transportation.....	207,098	210,540	210,352	210,403	207,405	206,686	200,514	197,955	204,545	207,963	210,244	211,390	200,030	198,262	199,483	199,357			
Durable goods industries.....	312,906	317,460	317,369	316,853	314,477	312,598	308,815	304,133	295,750	311,181	312,779	313,812	315,502	303,361	300,070	298,796	299,272		
Nondurable goods industries.....	10,847	11,153	11,388	11,353	11,441	11,005	10,913	10,695	10,744	10,735	11,074	11,321	11,364	10,825	10,794	10,665	10,590		
MARKET CATEGORIES																			
Home goods and apparel.....	4,575	4,921	4,902	4,922	4,854	4,664	4,085	4,215	4,567	4,215	4,229	5,372	5,278	4,046	4,307	4,440	4,318		
Consumer staples.....	191,145	193,108	194,278	192,756	190,926	191,324	186,876	183,272	177,896	191,577	190,622	190,893	191,588	183,629	181,231	178,632	179,421		
Equipment and defense products, except automotive.....	17,013	17,371	17,407	17,752	17,607	17,409	17,587	17,399	17,749	16,849	17,217	17,501	17,903	17,394	17,261	17,584	17,785		
Automotive equipment.....	111,020	113,213	112,170	112,531	110,206	111,277	110,785	110,923	108,923	110,785	111,367	112,097	112,097	109,117	108,065	108,785	108,338		
SUPPLEMENTARY SERIES²																			
Household durable goods industries.....	3,410	3,735	3,708	3,728	3,732	3,628	2,954	3,084	3,220	3,378	4,006	4,167	4,076	3,029	3,270	3,428	3,312		
Capital goods industries.....	222,730	222,758	225,006	223,533	221,984	220,323	216,028	214,413	206,684	223,132	222,313	221,738	213,958	211,521	209,636	209,976	209,976		
Nondefense.....	143,707	146,126	147,712	147,581	147,288	147,924	147,673	147,400	146,477	144,177	144,925	146,639	147,243	146,594	146,291	146,824	147,605		
Defense.....	79,023	79,632	77,294	75,952	74,696	72,398	68,355	67,113	60,207	78,955	77,388	74,526	74,495	67,364	65,230	62,812	62,371		
INDUSTRY GROUPS AND INDUSTRIES																			
Durable goods industries.....	2,165	2,124	2,250	2,282	2,292	2,460	2,288	2,460	2,526	2,531	2,090	2,095	2,273	2,365	2,397	2,492	2,590		
Stone, clay, and glass.....	27,710	28,621	28,708	29,090	28,595	28,955	30,248	28,955	28,010	25,487	26,022	26,968	28,135	28,862	27,821	26,557	26,274		
Primary metals.....	16,602	17,168	17,075	17,105	16,897	16,926	17,439	15,742	13,258	15,257	15,949	16,648	17,088	15,583	14,640	14,341	13,607		
Blast furnaces, steel mills.....	331	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9	333-6,9		
Nonferrous and other primary metal products.....	7,620	8,062	8,344	8,599	8,425	8,557	9,008	8,476	8,219	7,393	7,764	8,211	8,436	8,519	8,162	8,198	8,306		
Fabricated metal products.....	29,179	29,856	30,091	30,620	30,362	30,134	30,189	29,800	30,749	29,093	29,861	30,162	29,835	30,411	30,726	30,726	30,726		
Machinery, except electrical.....	75,459	75,440	75,297	74,885	75,578	74,602	74,396	72,650	71,914	74,099	74,680	75,233	75,262	72,000	72,032	72,289	72,997		
Engines and turbines.....	18,451	18,303	18,188	18,474	18,241	17,905	17,864	18,700	18,403	17,825	17,825	18,008	18,245	18,075	17,669	17,669	17,401		
Construction, mining, and material-handling equipment.....	11,343	11,380	11,299	9,760	9,765	8,141	8,062	10,957	11,116	11,266	11,311	11,293	7,986	7,851	8,032	8,032	8,032		
Metalworking machinery.....	5,502	5,736	6,233	6,499	7,035	7,292	7,661	5,519	6,083	6,208	6,287	6,649	6,649	6,649	7,684	7,756	7,932		
General industrial machinery.....	6,724	6,669	6,775	6,606	6,547	6,177	6,287	6,177	6,177	6,177	6,177	6,177	6,177	6,177	6,177	6,177	6,177		

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry group	Seasonally adjusted												Not seasonally adjusted					
		Monthly				Quarterly				Last 4 months ^a				Monthly			Not seasonally adjusted		
		Oct. 1981 ^b	Sept. 1981 ^b	Aug. 1981	July 1981	II 1981	1981	IV 1980	1980	III 1980	1980	II 1980	1980	Sept. 1981 ^b	Aug. 1981 ^b	July 1981	Oct. 1980	Sept. 1980	Aug. 1980
INDUSTRY GROUP AND INDUSTRIES--Continued																			
361,2	Durable goods industries--Continued	50,591	51,526	50,707	50,466	50,124	48,494	47,225	45,819	45,341	50,582	51,197	50,718	50,420	46,275	45,599	45,953	45,387	
363	Electrical machinery, equipment and household appliances--	8,066	8,429	8,469	8,475	8,392	8,361	7,967	7,905	8,027	8,050	8,409	8,485	8,460	7,985	7,888	8,042	8,063	
365	Radio and TV--	322	390	389	415	433	415	415	411	319	302	389	417	455	651	395	345	411	
366	Communication equipment--	28,502	28,823	27,963	27,788	27,542	26,345	25,427	23,663	22,802	28,577	27,575	27,575	24,364	23,463	22,469	22,470		
367	Electronic components--	12,105	12,042	12,233	12,205	12,207	11,733	12,019	12,019	12,135	12,695	11,947	12,114	12,392	12,363	12,432	12,431		
37	Transportation equipment--	116,745	118,073	117,556	115,515	116,198	113,043	114,513	108,560	117,371	115,890	114,889	115,476	114,156	112,602	109,978	110,505		
372,6	Aircraft, missiles, and parts--	92,360	93,126	92,449	92,166	90,504	91,299	88,371	90,466	85,924	92,804	91,066	89,733	90,625	88,614	87,600	88,020		
373	Shipbuilding and military tank vehicles--	16,714	17,303	17,859	17,166	16,953	16,478	16,087	15,421	13,690	16,950	17,180	17,123	16,811	15,695	15,341	13,769	13,519	
375	Instruments and related products--	7,113	7,067	7,120	7,173	7,056	7,012	6,987	6,863	6,944	7,114	7,091	7,193	7,226	6,828	6,885	6,931	6,929	
25	All other durable goods	4,944	4,853	4,791	4,876	4,955	4,915	4,267	4,050	4,244	4,804	4,997	5,209	5,230	4,016	4,163	4,468	4,432	
39	Industries--																		

^aPreliminary.^bShipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Machinery, except electrical (excluding farm machinery, equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Nondefense products--Instruments, communication equipment, aircraft and aircraft parts, and ordnance. Defense products--Instruments in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. Defense products--Instruments in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted					
		Monthly				Quarterly				Monthly				Last 4 months a year ago					
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	II 1981	IV 1980	III 1980	II 1980	Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980		
	TOTALS																		
	All manufacturing industries.....	278,357	276,616	273,361	271,872	269,709	266,524	257,980	256,835	256,421	275,939	273,900	272,565	271,008	254,257	254,207	255,938	256,220	
	Manufacturing industries excluding transportation.....	238,235	237,192	234,666	232,923	231,081	228,413	221,170	221,393	221,992	235,868	234,522	233,539	232,474	218,438	218,769	220,501	222,002	
	Manufacturing industries with unfilled orders.....	191,644	189,850	186,695	185,230	183,036	180,275	174,756	173,231	173,188	189,262	187,924	186,963	186,037	170,901	171,511	173,797	174,371	
	Durable goods industries.....	186,679	185,140	182,221	180,855	178,676	176,229	171,603	170,163	169,769	184,249	183,091	181,967	180,681	167,617	168,308	170,295	170,144	
	Durable goods with unfilled orders.....	170,696	169,027	166,195	164,737	162,821	160,227	155,430	153,986	153,669	168,827	167,397	166,135	165,061	152,138	152,535	154,204	154,572	
	Nondurable goods industries.....	91,678	91,476	91,140	91,017	91,033	90,295	86,377	86,672	86,652	91,690	90,809	90,578	90,327	86,640	85,899	85,643	86,076	
	Nondurable goods with unfilled orders.....	20,948	20,823	20,500	20,493	20,215	20,047	19,326	19,245	19,520	20,435	20,527	20,428	20,976	18,763	18,976	19,593	19,799	
	MARKET CATEGORIES																		
	Home goods and apparel.....	22,481	21,982	21,881	21,637	21,410	21,201	20,663	20,395	20,706	21,676	21,778	22,252	22,338	19,772	20,215	20,844	21,156	
	Consumer staples.....	33,162	33,142	33,205	32,826	32,658	32,880	32,201	31,986	31,283	34,198	33,544	32,736	31,765	33,327	32,389	31,550	30,815	
	Equipment and defense products.....	75,946	75,148	74,356	73,756	73,240	71,400	69,908	69,288	67,787	75,245	74,776	73,839	73,745	68,857	68,543	68,940	68,733	
	except automotive.....	11,730	11,714	11,394	11,688	11,530	11,775	11,872	11,589	12,267	11,714	11,800	11,539	10,968	11,457	11,685	11,781	11,200	
	Automotive equipment.....	23,014	22,727	22,613	22,393	21,602	21,266	20,809	20,999	22,473	22,516	22,441	22,517	20,210	20,387	20,724	20,923		
	Construction materials, supplies, and intermediate products.....	112,024	111,624	109,998	109,352	108,478	107,666	102,070	102,767	103,380	110,633	109,886	109,738	109,634	100,634	100,988	102,099	103,393	
	SUPPLEMENTARY SERIES																		
	Household durable goods industries.....	10,986	10,719	10,674	10,446	10,250	10,236	9,992	9,980	10,198	10,643	10,566	10,818	10,657	9,662	9,845	10,211	10,264	
	Capital goods industries.....	85,892	85,074	83,742	83,283	82,376	80,456	78,245	77,649	75,420	85,206	84,245	83,562	83,469	77,119	76,705	76,856	76,688	
	Nondefense.....	72,826	72,055	71,053	70,602	69,676	68,473	67,224	67,021	65,672	72,240	71,321	70,719	70,527	66,501	66,330	66,393	66,449	
	Defense.....	13,066	13,019	12,689	12,681	12,700	11,984	11,021	10,447	9,749	12,966	12,924	12,843	12,942	10,618	10,375	10,463	10,239	
	INDUSTRY GROUPS AND INDUSTRIES																		
32	Durable goods industries: Stone, clay, and glass products	7,070	7,037	6,831	6,642	6,598	6,145	6,016	6,189	6,753	6,792	6,738	6,680	5,788	5,807	5,990	6,175		
322	Glass containers.....	6,57	6,64	5,78	5,95	6,08	5,93	5,84	6,11	6,45	6,27	6,30	5,99	5,77	6,12	6,19			
33	Primary metals.....	25,300	25,087	24,412	23,34	23,640	21,976	22,022	22,555	25,002	24,709	24,332	23,914	21,665	21,693	22,199	22,579		
332-6,	Blast furnaces, steel mills.....	13,165	13,120	12,734	12,556	12,169	12,722	11,844	12,152	12,722	13,138	13,029	13,785	12,493	11,937	12,067	12,443	12,519	
9	Nonferrous and other primary metals.....	10,633	10,511	10,268	10,016	9,819	9,563	8,892	8,564	8,484	10,431	10,270	10,165	10,076	8,464	8,367	8,459	8,729	
34	Fabricated metal products.....	20,739	20,440	20,031	19,73	19,812	19,773	19,395	20,020	20,357	20,147	20,220	18,753	19,119	19,568	19,892			
341	Metal cans, barrels, and drums.....	1,651	1,578	1,538	1,544	1,637	1,744	1,578	1,732	1,605	1,362	1,366	1,376	1,365	1,365	1,365	1,365		
35	Machinery, except electrical.....	42,105	42,017	41,036	40,342	39,618	39,189	39,726	39,516	41,506	41,452	41,038	40,866	38,663	39,166	39,484	39,723		
351	Engines, turbines, and compressors.....	2,619	2,585	2,427	2,472	2,423	2,423	2,457	2,457	2,457	2,522	2,581	2,546	2,397	2,421	2,429	2,429	2,463	
352	Farm machinery and equipment.....	2,639	2,712	2,829	2,771	2,749	2,801	2,774	3,127	3,148	2,452	2,577	2,735	2,727	2,800	2,974	3,096	3,334	
353	Construction, mining, and material-handling equipment.....	9,446	9,213	9,082	8,951	8,789	8,469	8,466	8,650	8,766	9,220	9,066	8,955	8,915	8,409	8,512	8,580	8,703	
354	Metalworking machinery.....	2,587	2,749	2,717	2,719	2,636	2,636	2,760	2,855	2,833	2,569	2,713	2,811	2,861	2,861	2,860	2,861	2,860	
356	General industrial machinery.....	4,008	3,872	3,836	3,787	3,753	3,603	3,561	3,627	3,637	3,936	3,818	3,818	3,523	3,795	3,576	3,642	3,642	

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Monthly												Not seasonally adjusted															
		Seasonally adjusted				Quarterly				Last 4 months				Monthly				Last 4 months a year ago											
		Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	II 1981	I 1981	IV 1980	III 1980	II 1980	I 1980	Oct. 1981 ^p	Sept. 1981 ^r	Aug. 1981	July 1981	Oct. 1980	Sept. 1980	Aug. 1980	July 1980	Oct. 1980	Sept. 1980	Aug. 1980	July 1980	Oct. 1980	Sept. 1980	Aug. 1980	July 1980		
INDUSTRY GROUPS AND INDUSTRIES--Continued																													
36	Durable goods industries--Continued	26,851	26,517	26,243	25,987	25,689	25,057	24,383	24,145	24,350	24,145	26,475	26,256	26,165	26,112	24,104	24,314	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504	24,504		
361,2	Electrical machinery, equipment and distribution	4,810	4,744	4,593	4,573	4,488	4,263	4,163	4,222	4,263	4,163	4,767	4,678	4,553	4,558	4,165	4,162	4,221	4,293	4,293	4,293	4,293	4,293	4,293	4,293	4,293	4,293	4,293	
363	Household appliances	2,229	2,021	1,981	1,934	1,905	1,874	1,843	1,943	2,016	1,994	2,016	1,928	1,928	1,928	1,928	1,745	1,760	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830	1,830		
365	Radio and TV	1,733	1,664	1,550	1,492	1,444	1,311	1,292	1,309	1,292	1,309	1,674	1,656	1,681	1,681	1,622	1,622	1,287	1,383	1,383	1,383	1,383	1,383	1,383	1,383	1,383	1,383		
366	Communication equipment	8,859	8,862	8,889	8,889	8,774	8,630	8,599	8,774	8,774	8,630	8,845	8,845	8,860	8,860	8,810	8,810	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854	8,854		
367	Transportation equipment	4,978	4,876	4,844	4,844	4,849	4,795	4,560	4,557	4,557	4,557	4,422	4,923	4,864	4,864	4,864	4,864	4,441	4,437	4,436	4,436	4,436	4,436	4,436	4,436	4,436	4,436		
371	Motor vehicles and parts	39,124	38,624	38,949	38,949	38,624	38,624	38,111	36,810	35,442	34,442	40,071	39,378	38,534	38,534	35,819	35,819	35,438	35,438	35,438	35,438	35,438	35,438	35,438	35,438	35,438			
372,6	Aircraft, missiles, and parts	9,379	9,316	9,088	9,397	9,275	9,605	9,694	9,609	9,609	9,609	9,446	9,476	9,476	9,476	9,387	9,387	9,571	9,635	9,635	9,635	9,635	9,635	9,635	9,635	9,635	9,635		
373,1	Shipbuilding and military tank vehicles	2,699	2,596	2,449	2,433	2,636	2,612	2,265	2,105	2,130	2,130	2,780	2,671	2,488	2,488	2,550	2,550	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165	2,165		
38	Instruments and related products	9,661	9,738	9,585	9,585	9,603	9,380	9,281	9,037	8,994	9,524	9,658	9,658	9,658	9,658	9,611	9,645	9,009	8,965	8,965	9,103	9,103	9,103	9,103	9,103	9,103	9,103	9,103	
381-4	Scientific and engineering, photographic goods	6,855	6,912	6,842	6,834	6,842	6,593	6,474	6,309	6,263	6,263	6,780	6,849	6,849	6,849	6,808	6,847	6,312	6,252	6,324	6,324	6,324	6,324	6,324	6,324	6,324	6,324		
386	All other durable goods	2,312	2,342	2,251	2,224	2,247	2,259	2,243	2,172	2,172	2,172	2,259	2,259	2,259	2,259	2,135	2,135	2,323	2,323	2,323	2,323	2,323	2,323	2,323	2,323	2,323	2,323		
24	Industries	14,831	14,880	14,857	14,715	14,508	14,213	14,046	14,175	13,923	14,561	14,699	14,699	14,699	14,699	14,763	14,667	13,808	14,010	14,010	14,200	14,200	14,200	14,200	14,200	14,200	14,200	14,200	
39	Nondurable goods industries:	21,527	21,826	21,951	21,836	21,862	22,237	22,325	22,368	21,263	22,667	21,913	21,417	20,818	23,642	22,273	22,273	21,389	21,389	21,389	21,389	21,389	21,389	21,389	21,389	21,389	21,389		
20	Food and kindred products	2,067	2,109	2,175	2,175	2,267	2,272	2,272	2,272	2,138	2,003	2,003	2,003	2,003	2,018	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029	2,029
201	Meat products	3,132	3,133	3,133	3,133	3,743	3,705	3,909	3,866	3,866	3,770	3,893	4,014	3,836	3,836	3,553	3,553	3,868	3,868	3,868	3,868	3,868	3,868	3,868	3,868	3,868	3,868	3,868	
208	Beverages	1,586	1,666	1,666	1,666	1,648	1,662	1,662	1,662	1,662	1,662	2,055	2,388	1,840	1,840	1,553	1,553	1,464	1,464	1,464	1,464	1,464	1,464	1,464	1,464	1,464	1,464		
203-6,9	Fats and oils	12,315	12,481	12,632	12,564	12,476	12,428	12,428	12,428	12,428	12,428	11,840	11,840	11,840	11,840	13,301	13,301	13,067	13,067	13,067	13,067	13,067	13,067	13,067	13,067	13,067	13,067		
21	Tobacco products	4,043	3,931	3,765	3,765	3,570	3,570	3,570	3,570	3,570	3,570	4,087	4,087	4,087	4,087	3,906	3,906	3,605	3,605	3,605	3,605	3,605	3,605	3,605	3,605	3,605	3,605		
22	Textile mill products	6,687	6,642	6,642	6,642	6,604	6,518	6,518	6,518	6,518	6,518	6,102	6,250	6,102	6,102	6,484	6,484	6,379	6,379	6,379	6,379	6,379	6,379	6,379	6,379	6,379	6,379		
26	Paper and allied products	8,681	8,588	8,445	8,445	8,322	7,918	8,286	7,918	7,918	7,918	7,866	8,549	8,549	8,549	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	8,494	
261-3	Pulp, paper, etc.	3,216	3,123	3,123	3,123	3,237	2,301	2,267	2,255	2,255	2,255	2,772	2,894	2,894	2,894	2,197	2,197	2,094	2,094	2,094	2,094	2,094	2,094	2,094	2,094	2,094	2,094		
265	Paperboard containers	2,333	2,337	2,337	2,337	3,122	3,111	3,059	3,126	3,126	3,126	2,993	2,993	2,993	2,993	3,038	3,038	3,067	3,067	3,067	3,067	3,067	3,067	3,067	3,067	3,067	3,067		
264	All other paper containers	2,132	3,128	3,022	3,022	20,218	20,218	20,218	19,488	18,488	18,488	18,488	18,488	18,488	18,488	20,332	20,332	19,211	19,211	19,211	19,211	19,211	19,211	19,211	19,211	19,211	19,211		
28	Chemicals and allied products	20,754	20,363	20,176	20,176	16,804	16,804	16,804	16,804	16,804	16,804	6,244	6,244	6,244	6,244	6,200	6,200	6,708	6,708	6,708	6,708	6,708	6,708	6,708	6,708	6,708	6,708		
281,6	Industrial chemicals, except pigments	6,863	6,810	6,810	6,810	5,961	5,821	5,821	5,821	5,821	5,821	6,961	6,961	6,961	6,961	5,612	5,612	5,587	5,587	5,587	5,587	5,587	5,587	5,587	5,587	5,587	5,587		
283,4	Drugs, soap, and toiletries	6,046	5,867	5,867	5,867	9,206	9,206	9,206	9,206	9,206	9,206	8,711	8,711	8,711	8,711	9,200	9,200	9,353	9,353	9,353	9,353	9,353	9,353	9,353	9,353	9,353	9,353		
29	Petroleum and coal products	8,882	8,882	8,882	8,882	9,604	9,604	9,604	9,604	9,604	9,604	8,240	8,240	8,240	8,240	8,805	8,805	8,805	8,805	8,805	8,805	8,805	8,805	8,805	8,805	8,805			
30	Rubber and plastics products, n.e.c.	5,670	5,703	5,624	5,677	5,634	5,538	5,538	5,538	5,538	5,538	5,279	5,279	5,279	5,279	5,603	5,603	5,592	5,592	5,592	5,592	5,592	5,592	5,592	5,592	5,592	5,592		
23	All other nondurable goods	15,434	15,182	15,038	14,982	14,817	14,656	14,656	14,656	14,656	14,656	14,243	14,243	14,243	14,243	14,943	14,943	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181		
31	Industries	15,434	15,182	15,038	14,982	14,817	14,656	14,656	14,656	14,656	14,656	14,243	14,243	14,243	14,243	14,943	14,943	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181	15,181		

Preliminary.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and

Capital good industries--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding farm machinery and equipment), and ordnance.

Defense products--Communication equipment, aircraft and aircraft parts, and ordnance equipment.

The defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and ordnance equipment.

The data are comparable to those published annually in the MA-175. "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries") for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(millions of dollars)

(Millions of dollars)

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Table 6. PERCENT CHANGES AND REVISION FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent changes							Revisions ²	
	Month-to-month			Average monthly rates of change ¹				Year ago Oct. 1980	Average monthly Oct. 1980 through Sept. 1981
	Sept. 1981- Oct. 1981	Aug. 1981- Sept. 1981	July 1981- Aug. 1981	Third quarter 1981	Second quarter 1981	First quarter 1981	Nov. 1980 through Oct. 1981		
Shipments:									
All manufacturing industries.....	-2.4	-0.6	-0.5	-0.6	+1.1	+0.4	+0.2	0.1	0.2
Durable goods industries.....	-3.7	-0.8	-0.5	-1.0	+1.4	+0.6	0.0	0.1	0.4
Non-durable goods industries.....	-1.1	-0.3	-0.4	-0.1	+0.8	+0.2	+0.3	0.5	0.4
Inventories:									
All manufacturing industries.....	+0.6	+1.2	+0.5	+0.8	+0.4	+1.1	+0.7	0.2	0.1
New orders:									
All manufacturing industries.....	-5.2	-1.0	-1.5	-0.5	+0.7	+0.1	-0.1	0.1	0.3
Durable goods industries.....	-9.1	-1.2	-2.6	-0.8	+0.6	+0.1	-0.5	0.5	0.6
Non-durable goods industries.....	-1.2	-0.7	-0.2	-0.2	+0.8	+0.1	+0.3	0.3	0.4
Unfilled orders:									
Durable goods industries.....	-1.4	0.0	+0.2	+0.3	+0.2	+0.4	+0.2	0.1	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	Oct. 1981 ^P	Sept. 1981 ^R	Aug. 1981	July 1981	Oct. 1981 ^P	Sept. 1981 ^R	Aug. 1981	July 1981
All manufacturing industries.....	1.69	1.64	1.61	1.60	3.74	3.68	3.67	3.65
Durable goods industries.....	2.25	2.15	2.10	2.07	4.47	4.41	4.37	4.36
Stone, clay, and glass products.....	1.81	1.75	1.71	1.56	0.63	0.60	0.64	0.62
Primary metals.....	2.28	2.16	2.04	2.00	2.50	2.46	2.40	2.43
Fabricated metals.....	2.08	1.99	1.94	1.90	3.17	3.14	3.13	3.16
Machinery, except electrical.....	2.48	2.42	2.40	2.40	4.71	4.72	4.68	4.74
Electrical machinery.....	2.37	2.27	2.25	2.22	4.46	4.42	4.34	4.31
Transportation equipment.....	2.31	2.08	1.99	2.05	11.43	10.91	10.54	10.93
Instruments and related products.....	2.25	2.27	2.28	2.22	1.66	1.64	1.69	1.67
Non-durable goods industries.....	1.12	1.11	1.10	1.10	1.10	0.65	0.67	0.66
Food and kindred products.....	0.97	0.97	0.98	0.96	(X)	(X)	(X)	(X)
Tobacco products.....	3.68	3.27	3.31	3.15	(X)	(X)	(X)	(X)
Textile mill products.....	1.66	1.50	1.48	1.47	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.34	1.31	1.31	1.30	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.36	1.31	1.31	1.30	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.54	0.57	0.57	0.61	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.41	1.44	1.42	1.37	(X)	(X)	(X)	(X)

(NA) Not available. ^PPreliminary. ^RRevised. (X) Not applicable.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

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